

CLAIMS

1. A peptide selected from the group comprising:
R-Asn-Gly-Val-Gly-His-Gly-Phe-Gly-Asn-Gly-Val-Gly-Pro-Gly-Thr-
Gly-Pro-Gly-Ser-Gly-R' (I) (SEQ ID NO: 1)
5 R-Gly-Pro-Gly-Val-Gly-Phe-Gly-Lys-Gly-Ile-Gly-Thr-Gly-Arg-Gly-Pro-
Gly-Pro-Gly-Gln-R' (II) (SEQ ID NO: 2)
R-Gln-Gly-Pro-Gly-Pro-Gly-Arg-Gly-Thr-Gly-Ile-Gly-Lys-Gly-
Phe-Gly-Val-Gly-Pro-Gly-R', and (III) (SEQ ID NO: 3)
10 R-Gly-Ser-Gly-Pro-Gly-Thr-Gly-Pro-Gly-Val-Gly-Asn-Gly-Gly-
Phe-Gly-His-Gly-Val-Gly-Asn-R' (IV) (SEQ ID NO: 4)
where
R is H- or COCH₃, R' is COOH or CONH₂ and
each amino acid has L or D configuration.
2. A pharmaceutical composition comprising an effective dose of at
15 least a peptide compound selected from the group comprising:
R-Asn-Gly-Val-Gly-His-Gly-Phe-Gly-Asn-Gly-Val-Gly-Pro-Gly-Thr-
Gly-Pro-Gly-Ser-Gly-R' (I) (SEQ ID NO: 1)
R-Gly-Pro-Gly-Val-Gly-Phe-Gly-Lys-Gly-Ile-Gly-Thr-Gly-Arg-Gly-Pro-
Gly-Pro-Gly-Gln-R' (II) (SEQ ID NO: 2)
20 R-Gln-Gly-Pro-Gly-Pro-Gly-Arg-Gly-Thr-Gly-Ile-Gly-Lys-Gly-
Phe-Gly-Val-Gly-Pro-Gly-R', and (III) (SEQ ID NO: 3)
R-Gly-Ser-Gly-Pro-Gly-Thr-Gly-Pro-Gly-Val-Gly-Asn-Gly-Gly-
Phe-Gly-His-Gly-Val-Gly-Asn-R' (IV) (SEQ ID NO: 4)
where
25 R is H- or COCH₃, R' is COOH or CONH₂, each amino acid has
L or D configuration, and
at least a pharmaceutical acceptable inert ingredient.
3. A method of treating a patient suffering from Multiple Sclerosis, said
method comprising administering to a patient in need thereof an ef-

- 14 -

fective amount of a peptide compound selected from the group comprising:

R-Asn-Gly-Val-Gly-His-Gly-Phe-Gly-Asn-Gly-Val-Gly-Pro-Gly-Thr-
Gly-Pro-Gly-Ser-Gly-R' (I) (SEQ ID NO: 1)

5 R-Gly-Pro-Gly-Val-Gly-Phe-Gly-Lys-Gly-Ile-Gly-Thr-Gly-Arg-Gly-Pro-
Gly-Pro-Gly-Gln-R' (II) (SEQ ID NO: 2)

R-Gln-Gly-Pro-Gly-Pro-Gly-Arg-Gly-Thr-Gly-Ile-Gly-Lys-Gly-
Phe-Gly-Val-Gly-Pro-Gly-R', and (III) (SEQ ID NO: 3)

10 R-Gly-Ser-Gly-Pro-Gly-Thr-Gly-Pro-Gly-Val-Gly-Asn-Gly-Gly-
Phe-Gly-His-Gly-Val-Gly-Asn-R' (IV) (SEQ ID NO: 4)

where

R is H- or COCH_3 , and R' is COOH or CONH_2 and
each amino acid has L or D configuration.